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Borough of Chelmsford
BOROUGH OF CHELMSFORD.



ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

Year ended 31st December, 1946.

J. MERVYN THOMAS, M.D., B.Sc., D.P.H., M.R.San.I.

Medical Officer of Health.

School Medical Officer.

Medical Officer—Maternity and Child Welfare.

Medical Superintendent—Joint Isolation Hospital.

CHELMSFORD:

John Dutton Ltd., 8, Tindal Street and 91, High Street.

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BOROUGH OF CHELMSFORD.

PUBLIC HEALTH OFFICERS OF THE BOROUGH.

Medical Officer of Health :

J. MERVYN THOMAS, M.D., B.Sc., D.P.H., M.R.San.I.

Senior Sanitary Inspector :

R. F. WYNN, C.R.S.I., M.S.I.A.

Sanitary Inspectors :

E. ALTY, C.R.S.I., M.S.I.A.

T. B. HOOD, C.R.S.I., M.S.I.A.

Health Visitors.

Miss E. E. GLASCODINE, S.R.N., S.C.M., H.V. Cert.

Miss M. MAKINGS, S.R.N., S.C.M., H.V. Cert.

Miss H. M. HALL, S.R.N., S.C.M., H.V. Cert.

Mrs. E. LUCEY, S.R.N., S.C.M., H.V. Cert.

Dental Surgeon :

FRANCIS V. MAGUIRE, L.D.S., R.C.S. (Eng.).

Chief Clerk :

T. W. BUNTER, M.R. San. I.

Clerks :

G. H. D. BROWN.

D. G. RUMSEY (In H.M. Forces)

Miss E. POULTON.

Miss V. DEVONISH.

Sanitary Inspector's Department :

S. V. EDWARDS.

Dental Attendant :

Miss R. LEEKS.

Veterinary Inspector (part-time) :

Mr. H. G. McSHANE, M.R.C.V.S.

Matron, Day Nursery, Waterloo Lane :

Miss BAUMANN.

BOROUGH OF CHELMSFORD.

Public Health Department,
Coval Lane,
Chelmsford,

September, 1947.

*To the Mayor, Aldermen and Councillors
of the Borough of Chelmsford.*

Mr. Mayor and Gentlemen,

To comply with the requirements of the Ministry of Health Circular 220/46 the following Statistical Review for the Year 1946 is appended. A short outline of the main features before the department during the year is given.

I have the honour to be,

Your obedient Servant,

J. MERVYN THOMAS,
Medical Officer of Health.

OBSERVATIONS.

HEALTH SERVICE.

In presenting my Eighth Annual Report as Medical Officer of Health I would call attention to some additions and improvements in the progress of our welfare schemes.

Most notable of these is a Report prepared for me by Doctor Poland, of the St. John's Hospital (with the courtesy of the Medical Superintendent and the Essex County Council), which goes far to give some detail in the difficulties and advantages of the Borough Ante and Post Natal Clinics. A list of the more difficult cases with reference to attendance or non-attendance at the Clinics is instructive.

Diphtheria continues unknown, thanks to the co-operation of the staff and the willing acceptance of the immunization scheme by the public. The inauguration of a similar scheme for Whooping Cough immunization is also meeting with an overwhelming response. The opinion is still undecided medically on the ultimate degree of protection given by the whooping cough injections, but our experience is certainly encouraging.

Mass radiography was possible during the year, when a large number of Industrial Workers took advantage of being X-rayed free of charge, in the attempt to discover early disease.

At the end of the year the Council were actively engaged in drawing the Ministry of Health's attention to ice cream and a Report prepared by your Medical Officer of Health and Chief Sanitary Inspector was submitted for consideration.

Arrangements were completed for the setting up of new clinics in the Springfield and Boarded Barns Areas, but the resignation of one of the health visitors in March and the inability to fill the office, etc., has delayed progress in this direction.

Arrangements for a Child Guidance Clinic were completed with the Essex County Council, which has since been opened at the new Highfield Clinic in the London Road. However, we have not been able to obtain additional relief medical aid for the welfare clinics.

Midwives proceeded with a course in Gas and Air Analgesia as vacancies occurred, and some of your health visitors arranged to take duty at the St. John's Hospital as relief midwives, due to the urgent staffing difficulties and increased attendance at the hospital.

Home Help Scheme was in operation but there are not many volunteers for this most useful work. Domestic Help Scheme was in operation, the charge for both Schemes being £3 3s. 0d. for a 42 hour week, plus 1/6d. per hour overtime.

The Income Assessment Scale was revised and a new maternity home was considered, and a suitable site selected.

The dental sessions, twice weekly, continued throughout the year and are doing much to inculcate good habits and promote the first steps to healthy and sound teeth. It is encouraging to note the welcome response by mothers and the kindly attention of the Dental Officer and his staff.

Two maternal deaths have to be reported, one unavoidably in the Borough, and one outside the Borough.

The Ambulance Service continued to operate throughout the year from the Chelmsford Hospital.

Under the Education Act this Authority agreed to continue one Nursery for children 0-2 years and good attendance has been made. An efficiently trained staff is in charge and the service is meeting with a welcome response from the public.

Once again I wish to record my sincere appreciation of the good work performed by those behind the scenes by whom I infer the Voluntary Helpers :—Mrs. Gozzett, Mrs. Whitcomb, Mrs. Andrews, Mrs. Capers, Mrs. Green, Mrs. Devonish, Mrs. Snell, Mrs. Stubbings, Mrs. Thompson, Mrs. Makings, Mrs. Dickie, Mrs. Reason, Mrs. Porter, Mrs. Gouldon, and also as always to the Health Visitors, Midwives, Mr. Maguire and his staff, and to the office staff under the direction of our able Mr. Bunter.

J. MERVYN THOMAS,

MEDICAL OFFICER OF HEALTH.

September, 1947.

Circulars, etc., received during the Year 1946.

Circular.	Number.	Title.
Civil Defence Circular ..	100/1945	Civil Defence (Suspension of Powers) Act, 1945, and future Civil Defence Policy.
Ministry of Health Circular ..	30/46 (6-2-46)	Public Health Medical Staff.
Do. ..	32/46 (6-2-46)	Procedure in dealing with business other than Housing.
Do. ..	69/46	Termination of Personal Injuries (Scheme). Insurance of Employed Persons.
Do. ..	103/46 (1-6-46)	Public Vaccination. Supply of Lymph.
Do. ..	113/46 (30-5-46)	Financial Assistance to Physiotherapy Teachers.
Do. ..	123/46	Disposal of surplus equipment held by Local Authorities for Ministry of Health Emergency Service.
		Board of Trade L.A.I.M., 1945/46. Addendum. Procedure for Coupon Rationed Goods.
Do. ..	183/46 (8-10-46)	Food and Drugs Act, 1938—Draft Regulations on Ice Cream (Heat Treatment).
Do. ..	207/46	Public Health (Tuberculosis) Regulations, 1946. National Health Service Act, 1946.
Ministry of Health Circular and Ministry of Education Circular	221/45 and 75	Nursery Provisions for Children under Five.
Ministry of Health Circular ..	30/46 (6-2-46)	Public Health Authorities—Advertising Medical Appointments. Midwives Salaries Committee. Circular 22/46. Further recommendation and points of interpretation. S.C. Notes 2.
Do. ..	23/46	Diphtheria Immunization — Publicity Material.
Do. ..	31/46 (13-2-46)	Financial Assistance to Intending Health Visitors.

Circular.	Number.	Title.
Ministry of Health Circular	.. 59/46	.. Nursing Salary Committee. Notes No. 10.
Do.	.. 77/46 (17-4-46)	.. Financial Assistance to Midwives undertaking Referesher Courses.
Do.	.. 82/46 (17-4-46)	.. Central Midwives Board's Rules E.17. (a) Cessation of attendance on patient at tenth day. Protection of Institutional Midwives from disciplinary action.
Do.	.. 110/46	.. Home Helps—Adequate supply for Service.
Do.	.. 119/46 (16-6-46)	.. Increased Salaries for Student Nurses. Pupil Assistant Nurses and Pupil Midwives.
Do.	.. 132/46 (29-6-46)	.. Salaries of Midwives, revised recommendations regarding certain grants of Midwives. Midwives S.C. Notes No. 3, 1946.
Do.	.. 177/46	.. Ministry of Education Circular 125. Interim revision of Salary Scales for Staffs of day and 24 hour Nurseries. Nursery Schools and Nursery Classes—10 per cent. increase on existing approved Salary Scales.
Do.	.. 189/46 (15-10-46)	.. Remission on period of training for persons with War-Time Nursing Experience.

Statistics and Social Conditions of the Area.

AREA (in acres)	..	.. 4,755.
POPULATION, 1946	..	{ 34,670 (Registrar-General's estimate of resident population, mid-year). { 26,537 (Census, 1931).

NUMBER OF INHABITED HOUSES (end
of 1946) according to Rate Books 9,667.

RATEABLE VALUE (1st April, 1946) £345,309.

SUM REPRESENTED BY A PENNY
RATE (year ending 31st March,
1946 £1,415.

Extracts from Vital Statistics.

BIRTHS.

		Total.		Male.		Female.	
Live Births	Legitimate	..	659	..	343	..	316
	Illegitimate	..	41	..	24	..	17
	Totals	..	700	..	367	..	333
Birth Rate per 1,000 of the estimated resident population mid-1946—20.19.							
Still Births	Legitimate	..	20	..	12	..	8
	Illegitimate	..	3	..	1	..	2
	Totals	..	23	..	13	..	10
Rate per 1,000 total (live and still) births —31.81.							

DEATHS	344	..	157	..	187	Death Rate per 1,000 of the estimated resident population —9.92.
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Deaths from Puerperal causes :—

Puerperal Sepsis	Nil.
Other Maternal causes	2

Death Rate of Infants under one year of age :—

All Infants per 1,000 births	..	..	..	..	54.28
Legitimate Infants per 1,000 legitimate live births	..	..	..	..	45.71
Illegitimate Infants per 1,000 illegitimate live births	..	..	..	..	146.34
Deaths from Cancer (all ages)	..	..	..	..	56
Deaths from Measles (all ages)	..	..	..	..	1
Deaths from Whooping Cough (all ages)	..	..	..	..	2
Deaths from Diarrhoea, etc. (under 2 years of age)	..	..	..	..	1

BIRTH RATES, CIVILIAN DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL MORTALITY AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR, 1946.

(Provisional figures based on weekly and quarterly returns.)

*Per 1,000 related births †Rates per 1,000 total population	England and Wales	126 County Boroughs and Great Towns including London	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Adminis- trative County
Rates per 1,000 Civilian Population				
<i>Births.</i>				
Live	*19.1	22.2	21.3	21.5
Still	*0.53	0.67	0.59	0.54
<i>Deaths.</i>				
All Causes.. ..	*11.5	12.7	11.7	12.7
Typhoid and Paratyphoid ..	0.00	0.00	0.00	0.00
Scarlet Fever	0.00	0.00	0.00	0.00
Whooping Cough.. ..	0.02	0.02	0.02	0.02
Diphtheria	0.01	0.01	0.01	0.01
Influenza	0.15	0.13	0.14	0.12
Smallpox	0.00	0.00	0.00	—
Measles	—	0.01	0.00	0.01
Rates per 1,000 Live Births.				
Deaths under one year of age ..	†43	46	37	41
Deaths from Diarrhoea and Enteritis under two years of age	4.4	6.1	2.8	4.2
Rates per 1,000 Civilian Population.				
<i>Notifications.</i>				
Typhoid Fever	0.01	0.01	0.01	0.01
Paratyphoid Fever	0.02	0.02	0.01	0.01
Cerebro Spinal Fever	0.05	0.05	0.04	0.06
Scarlet Fever	1.38	1.51	1.33	1.42
Whooping Cough.. ..	2.28	2.48	2.05	2.22
Diphtheria	0.28	0.32	0.31	0.24
Erysipelas.. .. .	0.22	0.25	0.22	0.27
Smallpox	0.00	0.00	0.00	0.00
Measles	3.92	4.73	3.70	7.35
Pneumonia	0.89	1.02	0.74	0.75
Rates per 1,000 Total Births (Live and Still)				
(a) <i>Notifications.</i>				
Puerperal Fever	8.50	10.35	7.63	1.62
Puerperal Pyrexia				†9.68

(b) *Maternal Mortality (England and Wales).*

No. 140 Abortion with Sepsis	No. 141 Abortion without Sepsis	No. 147 Puerperal Infections	Nos. 142-146, 148-150 Other
0.13	0.06	0.18	1.06

Abortion : Mortality per million women aged 15-45 (England and Wales)

No. 140 with Sepsis

No. 141 without Sepsis

11

5

*Including Puerperal Fever.

†Per 1,000 related births.

‡Rates per 1,000 total population.

Deaths.

DEATHS AT VARIOUS AGES DURING THE YEAR 1946.

Under 1	1-2	2-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75 +
38	2	1	1	5	4	13	23	58	86	113

DEATHS FROM ALL CAUSES, 1946.

Causes of Death	Males	Females	Total
Typhoid and Paratyphoid Fevers	—	—	—
Measles	1	—	1
Scarlet Fever	—	—	—
Whooping Cough	1	1	2
Diphtheria	—	—	—
Influenza	1	—	1
Cerebro-Spinal Fever	—	—	—
Tuberculosis of the Respiratory System	2	7	9
Other Tuberculosis Diseases	—	—	—
Syphilitic Diseases	4	2	6
Cancer of b. Cav. and Oesoph (M) ; Uterus (F)	2	3	5
Cancer of Stomach and Duodenum	3	1	4
Cancer of other sites	20	18	38
Cancer of Breast	1	8	9
Diabetes	1	2	3
Intra Cran. Vasc. Lesions	9	17	26
Heart Disease	42	46	88
Other Circulatory Diseases	4	2	6
Bronchitis	9	9	18
Pneumonia	11	15	26
Other Respiratory Diseases	3	3	6
Nephritis	3	6	9
Puerperal and Post-abortion : Sepsis	—	—	—
Other Maternal Causes	—	2	2
Con. Mal., birth injury, Infant dis.	9	10	19
Premature Birth	3	5	8
Suicide	3	—	3
Other Violent Causes	2	2	4
Road Traffic Act	3	1	4
For all other Causes	15	21	36
Poliomyelitis	—	—	—
Acute Infant Encephalitis	—	—	—
Ulcer of Stomach or Duodenum	3	—	3
Diarrhoea, etc. (under two years of age)	1	—	1
Appendicitis	—	—	—
Other Digestive Diseases	1	6	7
Totals	157	187	344

General Provision of Health Services.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY (See Page 1).

NURSING IN THE HOME.

General.

There are four District Nurses practising in the Borough.

LABORATORY FACILITIES.

Pathological and baeteriological examinations and analysis of water, milk, food; etc., are made by arrangement with the Essex County Council Laboratories.

LEGISLATION IN FORCE.

Ministry of Health Circulars and Amendments, etc., received during the year have been mentioned.

St. John's Hospital under Essex County Council.

Chelmsford and Essex Hospital (Voluntary).

Out-patient Clinics—Chelmsford Hospital.

Monday—9.30 a.m.	..	Orthopædic	..	..	Mr. H. A. H. Harris.
Tuesday—9.30 a.m.	..	General Surgery	..	..	Mr. M. D. Sheppard.
2.30 a.m.	..	Neurological	..	..	Dr. T. Rowland Hill.
		(alternate weeks)			
3 p.m.	..	Ear, Nose and Throat	..	..	Mr. A. Martin Henry.
Wednesday—9 a.m.	..	Dental	..	..	Mr. King and Mr. Jones.
2 p.m.	..	Clinical Pathology	..	..	Dr. F. E. Camps.
6 p.m.	..	Medical (old cases)	..	..	Dr. F. E. Camps.
Thursday—9.30 a.m.	..	Genito-Urinary	..	..	Mr. M. D. Sheppard.
9.30 a.m.	..	Diabetic	..	..	Dr. F. E. Camps.
1.45 p.m.	..	Dermatological	..	..	Dr. R. A. Price.
Friday—9.30 a.m.	..	General Surgery (in-	..	..	Mr. H. A. H. Harris.
		cluding orthopædics)			
1.30 p.m.	..	Ophthalmic	..	..	Dr. S. G. Corner.
Saturday—9 a.m.	..	Medical (new cases)	..	..	Dr. F. E. Camps.
11.30 a.m.	..	Psychological Cases	..	..	Dr. R. Strom-Olsen.

Patients will not be seen at the above Clinics except by appointment (application to be made to the Registration Clerk of the Out-patient Department, Telephone No. Chelmsford 3481), and must bring with them a letter from their own doctor giving details of the case.

Private patients can be seen at the above Clinics, similar arrangements to be made through the Registration Clerk regarding appointments. Intimation must be given when making appointments as to whether the case is private or not.

The following Essex County Council Clinics are also held at the Chelmsford Hospital, but it is not necessary for appointments to be made for patients attending these Clinics.

Tuesday—2.30 p.m.	..	..	Ante-Natal.
Wednesday—10 a.m.	..	..	Tuberculosis.
1.30 p.m.	..	..	Mental Diseases (2nd, 4th and 5th weeks).
Thursday—4 p.m. to 6 p.m.	..	..	Venereal Diseases.
Friday—11 a.m. to noon	..	..	Venereal Diseases.

HOSPITALS.

St. John's Hospital (controlled by the Essex County Council).

The Chelmsford Joint Isolation Hospital.

AMBULANCE FACILITIES.

(a) *For Infectious Cases.* A motor ambulance is maintained by the Chelmsford Joint Hospital Board for conveyance of patients. In addition an older motor ambulance is in use for carrying articles for disinfection and disinfection.

(b) *For Non-Infectious and Accident Cases*; and

(c) *For Maternity Patients.*

These cases are dealt with by the Borough Ambulance Service.

SMALLPOX.

Arrangements as in previous years.

PUBLIC VACCINATORS.

District.

Dr. I. C. P. Beauchamp, "Farleigh", London Road, Chelmsford	..	Chelmsford and Widford.
Dr. R. W. Willcocks, 194, Springfield Road, Chelmsford	..	Springfield Ward, Springfield, etc.
Dr. J. T. Whitley, "Thorneybrook", London Road, Chelmsford	..	Broomfield, etc.
Dr. Tudor Pembleton, Kitts Croft, Writtle	..	Writtle, etc.

MATERNITY.

Our arrangement for the institutional treatment at St. John's Hospital, Wood Street, of cases of complications arising during pregnancy or confinement, and for cases where the home environment is unsatisfactory, remains as before. The full charge for maintenance and treatment is 11/8d. per day. This charge is subject to reduction if the person's income is below the Council's Income Scale Assessment.

236 Borough cases were admitted to St. John's Hospital for confinement during the year, compared with 191 in 1945.

ANTE-NATAL SERVICES.

The Ante-Natal and Post-Natal Clinics are held every Wednesday afternoon. Mothers are encouraged to attend six weeks or so after confinement for post-natal examination.

In addition, married women,, where pregnancy would endanger health, are on their request given instructions in birth control.

INSTITUTIONAL PROVISION FOR—

(a) *Unmarried Mothers.* The only arrangement is that supplied by the Borough and the Essex County Council Public Assistance Committee. After the lying-in period, however, they may be helped by the Girls' Aid Society, who have a Hostel just outside the Borough. There is also a Home at Ardmore, Buckhurst Hill, for unmarried mothers and their children.

(b) *For Illegitimate Infants and Homeless Children.* The Public Assistance Institution is available.

PREMATURE INFANTS.

Arrangements have been made between the hospitals and this Authority to insure the follow-up of premature infants on discharge. Notification, with complete record of child's progress while in hospital, is received from the Medical Officer in Charge of the Maternity Section. Health Visitors follow-up soon after receiving above information.

REPORT ON THE WORK OF THE BOROUGH ANTE-NATAL CLINIC FOR 1946.

By Dr. Poland, Resident Obstetrical Officer, St. John's Hospital, Chelmsford.

Four hundred and seventy-nine patients attended, making in all 1,916 visits.

Two hundred and seventy-eight were booked for delivery in St. John's Hospital, and were seen monthly until 36 weeks' pregnant, then made either two or three visits during the last four weeks.

The midwives attend the clinic and have the opportunity of examining any abnormal cases and of seeing their own referred cases with the doctor. Every primigravida booked for domiciliary delivery by a midwife is seen once at the beginning of her pregnancy, when a complete examination is made. She is referred back to the midwife, and attends the clinic again only if directed to do so because the midwife is not satisfied with the progress of her pregnancy. Any gross abnormality is then admitted to hospital as an emergency with the general practitioner's consent.

All patients may come back, six weeks after delivery for a post-natal examination, and some are asked particularly to do so.

The clinic is run in close co-operation with St. John's Hospital, to which patients are referred for consultant opinion to Mr. Brews, F.R.C.S., F.R.C.O.G., County Consultant Obstetrician, Dr. Gordon, M.D., Consultant Physician, and Mr. Shepherd, Consultant Surgeon. X-ray examinations are done on Friday mornings, the patient presenting herself with the wet X-ray plate immediately afterwards at my out-patient clinic. I can, therefore, make a further examination with the plate in front of me if necessary. Pathological investigations are also done at the hospital and cases of anemia either ante or post-natal are admitted for blood transfusion. Investigation of the Rhesus Factor, about which there has been so much publicity in the press, is done routinely on all booked cases, and at the request of the midwives, on domiciliary cases since the beginning of last year.

The co-operation of the health visitors with their specialized knowledge of home conditions has been invaluable, particularly in dealing with refractory patients and domestic difficulties.

The aim of the clinic is to produce at the end of nine months a living and healthy child and a mother healthier if possible than she was before she began her pregnancy, both mentally and physically. Towards this end doctor, dentist, pathologist, radiologist, midwife, and health visitor, play each their important part.

There were no maternal deaths amongst the patients attending the clinic. Twelve infants were either stillborn or died in the first fortnight. Mortality 25/1,000.

Causes :—

Congenital abnormalities	4	Rh. incompatibility	1
Prematurity	3	Placenta Prævia	1
Macerated (no cause demonstrated)	2	Eclampsia	1

SUMMARY OF ANTE-NATAL CLINIC, 1946.

Numbers of Expectant Mothers who attended Clinic	479
Average attendances per person	4
Attended Clinic but delivered at local Nursing Homes	7
Attended Clinic, but delivered at various parts of the country (in these cases reports on ante-natal progress is sent to doctor and/or midwife responsible for delivery)	5
Attended Clinic with threatened abortions (aborted)	3
Attended Clinic with threatened abortion, and accepted treatment with satisfactory result	3
Attended Clinic with history of previous abortion, miscarriage or stillbirth and accepted treatment with successful result	4
Number of Borough cases admitted to St. John's Hospital for confinement (of this number approximately 24 were emergency cases sent by doctors and midwives)	236

There has been a marked increase of attendances at the Clinic ; in 1946 479 cases attended against 202 of the preceding year and 179 of 1944.

Factors influencing increase of attendances—

- (i) Increase in birth rate.
- (i) Mothers are more health conscious.
- (iii) Closing of Danbury Park and Writtle Park Maternity Homes.
- (iv) Since May, 1946, every expectant mother is seen by doctor at Clinic where the question of admission to hospital on medical grounds is a priority, and lack of accommodation is given careful consideration in cases where mothers seek admission to hospital.

In cases where no hospital bed is available, advice is given regarding—

- (1) Home Help and Midwife.
- (2) Maternity Homes.

In the forementioned case where patients book as " Midwife " bookings they still attend for ante-natal care if they so desire.

(v) Midwives have taken advantage of bringing their patients to the Clinic for advice and opinion of doctor, both ante and post-natally.

Post-natal numbers 117, comparing with 98 for the previous year.

MIDWIFERY CASES OF INTEREST DELIVERED AT ST. JOHN'S HOSPITAL.

Date.	Remarks.	Attended Clinic.
8th January, 1946	Emergency "S.B."	No.
17th January, 1946	Delivered at home "S.B." and maternal death	No.
29th January, 1946	"S.B."	Yes.
20th January, 1946	L.M. disproportion	No.
14th February, 1946	Cæsarian from Danbury Park ..	—
21st February, 1946	Spina Bifida. Died one day ..	Yes.
18th February, 1946	L.M. Manual removal Placenta	Yes.
24th April, 1946	Toxæmia. Midwife's emergency case	No.
24th May, 1946	Baby died one day	No.
28th May, 1946	Baby died one day	Yes.
15th May, 1946	Toxæmia, baby died	No.
15th April, 1946	"S.B."	No.
7th June, 1946	Disproportion	No.
14th April, 1946	Emergency—Dr. Willcocks ..	No.
12th June, 1946	Manual removal placenta ..	Yes.
12th June, 1946	"S.B."	No.
27th June, 1946	Premature, died	Yes.
20th September, 1946	B.B.A. No attention at birth. Died (baby)	No.
20th September, 1946	Premature twin (died)	Once.
28th September, 1946	Baby died congenital hydro-nephrosis	Four.
18th September, 1946	Baby died congenital heart ..	No.
18th October, 1946	Baby died atelectasis	Three.
8th October, 1946	Cæsarian L.F. placenta previa ..	No.
7th January, 1946	Hydrocephalic	No.
19th February, 1946	"S.B." premature	Two.
11th April, 1946	Midwife's emergency. Toxæmia twins. 1.L.B. 1.S.B.	No.
16th April, 1946	"S.B." placenta previa type 3 ..	No.
18th April, 1946	"S.B." macerated	Three.
16th May, 1946	"S.B." macerated	Three.
3rd June, 1946	"S.B." Hydrocephalic spina bifida	Two.
3rd June, 1946	Emergency Dr. Pirie, "S.B." ..	No.
21st October, 1946	"S.B." breech	No.
20th December, 1946	"S.B." hydrocephalic	No.

Multiple Pregnancies.

Date.	Remarks.	Attended Clinic.
4th February, 1946 ..	" L.B.s." twins	No.
23rd February, 1946 ..	" L.B.s." twins	Yes.
11th April, 1946	1 L.B., see previous remarks ..	No.
29th March, 1946	L.B. twins	Yes.
1st July, 1946	L.B.s. twins	Yes.
24th July, 1946	L.B.s. twins	Yes.
1st October, 1946	L.B.s. twins	Yes and private doctor.

PUBLIC HEALTH ACT, 1936.

Chelmsford Women's Welfare Clinic.

Number of patients attended during the year 1946	26
Number of attendances made	66

Child Life Protection.

(a) Number of persons who were receiving children for reward at the end of the year	9
(b) Number of Children on Register :—	
(1) At the end of the year	10
(2) Who died during the year	Nil.
(3) On whom inquests were held during the year	Nil.
(c) Proceedings taken during the year :—	
(1) Number of cases	Nil.
(2) Act and Section under which the proceedings were taken ..	Nil.

Adoption of Children (Section 7 of the Adoption of Children (Regulation) Act, 1939).

(a) Number of persons who gave notice under Section 7 (3) during the year	7
(b) Total number of children in respect of whom notice was given under Section 7 (3) during the year	7
(c) Number of children notified under Section 7 (3) :—	
(1) Under supervision at the end of the year	Nil.
(2) Who died during the year	Nil.
(3) On whom inquests were held during the year	Nil.
(d) Particulars and results of any proceedings taken during the year	Nil.

Municipal Midwives.

(1) Mrs. M. E. Harris ..	79, Springfield Park Avenue ..	Tel. No. 3815.
(2) Miss E. M. Miller ..	" Lonicera," St. Mildred's Road..	Tel. No. 3816.
(3) Mrs. M. Aldred ..	40, Kings Road	Tel. No. 3817.
(4) Miss M. A. Wilkins ..	5, Bruce Grove	Tel. No. 2438.
(5) Miss I. G. Westlake ..	65, First Avenue	Tel. No. 4552.
(Relief Midwife)		

Inspection of Nursing Homes, etc.

Inspections are carried out by the Essex County Council, which is the Local Supervising Authority.

Nursing Homes.

- (1) "Brooklands," London Road.
- (2) St. John's Maternity Home, Broomfield Road.
- (3) "Lionmede," Springfield Road.

Prevention of Blindness.

No cases occurred requiring action under Section 176 of the Public Health Act, 1936.

Maternity and Child Welfare.

CLINICS AND TREATMENT CENTRES.

These are set out in the Table on page 20.

Attendances at Infant Welfare Centres.

	1945.	1946.
Children 0 to 5 years	10,694	11,391
Number who attended for the first time during the year :—		
Children under 1 year	593	644
Children between 1 and 5 years	731	771
	<hr/>	<hr/>
	1,324	1,415
	<hr/>	<hr/>

Ante-Natal Clinic.

Attendances	363	479
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Post-Natal Clinic.

Attendances	98	117
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HEALTH VISITING.

The Health Visitors have made the following visits during the year :—

	1st Visits.	Total Visits.
To expectant mothers	147	305
To children under 1 year of age	666	1,754
To children between the ages of 1 and 5 years	—	1,978
	<hr/>	<hr/>
Totals	753	4,037
	<hr/>	<hr/>

MILK AND OTHER FOODS.

The Maternity and Child Welfare Committee have instituted a scheme to supplement feeding in necessitous and difficult cases on the recommendation of the Medical Officer.

DENTAL SERVICE.

Dental treatment for expectant and nursing mothers and children under five years of age has been carried out during the year, and the following is a summary of the work :—

Number of attendances made by patients	..	..	..	1,164
Number of patients treated	..	..	..	1,035
Fillings—				
Permanent teeth	..	..	..	156
Temporary teeth	..	..	..	177
Extractions—				
Permanent teeth	..	..	..	209
Temporary teeth	..	..	..	69
Other Operations—				
Permanent teeth	..	..	..	522
Temporary teeth	..	..	..	592
Administration of general anæsthetics for extractions	..	..	..	85
Local anæsthetics	..	..	..	129
Number of sessions held	..	..	..	95

Sanitary Circumstances of the Area.

WATER.

The supply of water has been satisfactory in quality and quantity, but, owing to increasing demands, a new scheme for additional water supplies is now in the course of preparation.

Bacteriological examinations are made daily of the untreated and treated water by the Department's Chemist.

Independent bacteriological examinations are made weekly of the supply.

The water has no plumbo-solvent action and no contamination.

There are 17 properties within the area of supply which have no mains supply direct to the house.

SEWERS LAID DURING YEAR.

				Soil Sewer.		Surface Water Sewer.
Springfield Park	..	..	..	.. 1,246 yards	..	1,537 yards
Melbourne Park—						
Site 1A	..	..	..	.. 2,248 „	..	3,053 „
Site 1B	..	..	..	.. 2,143 „	..	2,024 „
Site 1C	..	..	..	.. 377 „	..	—
Rainsford Lane	..	..	..	.. 555 „	..	565 „

RIVERS AND STREAMS.

A close watch is kept on the rivers within the Borough and all possible steps taken to prevent pollution.

PUBLIC CLEANSING.

There has been no alteration in the method of refuse collection and disposal during the year.

NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.

(1) By the Local Authority	..	..	..	..	153
(2) By other Local Authorities	..	..	..	..	Nil.
(3) By other Bodies or persons	..	..	..	..	42

PROMOTION OF CLEANLINESS AND ELIMINATION OF VERMINOUS CONDITIONS.

Facilities for treatment of Scabies, etc., have been in operation throughout the year.

Number of children found unclean and cleansed	..	..	155
Number of persons treated for Scabies, etc.	..	..	45

CLINIC TREATMENT CENTRES.

Service	Accommodation	Purpose	Sessions	By whom provided
Minor Ailments Clinic.	Public Health Department, Coval Lane, Chelmsford.	Children under five years—Consultation and Treatment of School Children.	Daily, Monday and Thursday, 9-10 a.m.	Local Authority, Essex County Council for School Children.
Eye Clinic.	Public Health Department, Coval Lane, Chelmsford.	Children under five years—Consultation and Treatment of School Children.	When necessary and by appointment.	Local Authority, Essex County Council for School Children.
Dental Clinic.	Public Health Department, Coval Lane, Chelmsford.	Children under five years—Consultation and Treatment of School Children and for Expectant and Nursing Mothers.	School Children daily. Maternity and Child Welfare, two sessions per week by appointment.	Local Authority, Essex County Council for School Children.
Maternity and Child Welfare Clinic.	Public Health Department, Coval Lane, Chelmsford.	Consultation, etc.	Each Tuesday, Thursday and Friday, 2 p.m. to 4 p.m.	Local Authority.
Maternity and Child Welfare Clinic.	Montsham Clinic, "Highfield," London Road.	Consultation, etc.	Each Wednesday, 2 p.m. to 4 p.m.	Local Authority.
Ante-Natal Clinic.	Montsham Clinic, "Highfield," London Road.	Consultation, etc.	Each Tuesday, 10 a.m. to noon.	Local Authority.
Ante-Natal and Post-Natal Clinic.	Public Health Department, Coval Lane, Chelmsford.	Consultation, etc.	1st and 3rd Wednesdays in each month at 1.30 p.m.	Local Authority.
Orthopaedic Clinic.	Public Health Department, Coval Lane, Chelmsford.	Consultation and Treatment.	2nd, 3rd and 4th Mondays in each month at 1.30 p.m.	Local Authority and Essex County Council Joint.
Orthopaedic Clinic.	Public Health Department, Coval Lane, Chelmsford.	Consultation and Treatment. Specialist attends.	Approximately eight sessions in year.	Essex County Council.
Aural Clinic.	Public Health Department, Coval Lane, Chelmsford.	Consultation and Treatment.	By arrangement with Specialist.	Local Authority and Essex County Council Joint.
Birth Control Clinic.	5, Market Road, Chelmsford.	Consultation and Treatment.	4th Friday in each month, 10 a.m.	Local Authority and Essex County Council Joint.
War-Time Nurseries.	1, Corporation Road ; 2, London Road ; 3, Waterloo Lane.	For children 0 to five years of age of War-Time workers.	Daily, Monday to Friday, 7 a.m. to 7 p.m. Saturdays, 7 a.m. to noon.	Local Authority.
Veneral Diseases Clinic.	Chelmsford and Essex Hospital, New Writtle Street.	Consultation and Treatment.	5 to 6 p.m. daily (not Sundays. Specialist on Thursdays, 4.30 p.m. to 6.30 p.m. and Fridays, 11 a.m. to noon.	Essex County Council.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) NOTIFIED DURING THE YEAR 1946.

Disease	Total cases	NOTIFICATION AT AGES										Cases admitted to Hospital	Total Deaths	Total cases notified in each Ward			
		Under 1 year	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	Over 65	North Ward	South Ward	East Ward	West Ward
Scarlet Fever ..	6	—	—	—	—	1	2	1	—	2	—	—	—	1	4	1	—
Measles ..	288	10	32	34	39	40	113	15	2	3	—	—	—	136	93	37	22
Pneumonia ..	13	1	—	1	—	—	3	1	—	1	1	3	2	5	5	2	1
Whooping Cough ..	209	16	27	46	33	30	52	4	—	—	1	—	—	112	57	26	14
Erysipelas ..	5	—	—	—	—	—	—	—	—	—	1	4	—	4	1	—	—
Sonne Dysentery ..	3	—	—	—	—	—	2	—	—	—	—	—	1	—	3	—	—
Puerperal Pyrexia ..	52	—	—	—	—	—	—	—	2	29	20	1	—	1	50	1	—
Jaundice ..	20	—	1	—	2	—	2	—	2	6	5	2	—	6	7	4	3
Pollomyelitis Acute Anterior ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Meningitis ..	2	—	—	—	—	—	—	1	—	1	—	—	—	—	2	—	—
Malaria (not in Borough) ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Para-Typhoid B. ..	2	—	—	—	—	—	—	—	—	—	1	1	—	—	2	—	—
Totals ..	600	27	60	81	74	71	174	22	6	42	29	11	3	265	224	71	40

TUBERCULOSIS.
NEW CASES AND MORTALITY DURING 1946.

	NEW CASES				DEATHS			
	Respiratory		Non-Respiratory.		Respiratory		Non-Respiratory	
	Male	Female	Male	Female	Male	Female	Male	Female
Under 1 year	—	—	1	—	—	1	—	—
1 to 5 years	—	—	1	2	—	—	—	—
5 to 15 "	—	1	5	—	—	—	—	—
15 to 25 "	5	5	—	2	1	2	—	—
25 to 35 "	8	4	—	—	—	2	—	—
35 to 45 "	12	2	—	—	—	—	—	—
45 to 55 "	4	2	—	—	—	—	—	—
55 to 65 "	2	—	—	—	—	—	—	—
Over 65 "	1	—	—	—	—	—	—	—
TOTALS	32	14	7	4	1	5	—	—

Non-notified Tuberculosis Deaths 3
Total Tuberculosis Deaths 9

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.

STATEMENT OF PARTICULARS OF CASES OF TUBERCULOSIS, COMPILED FROM THE REGISTER
FOR THE YEAR ENDED 31ST DECEMBER, 1946.

	PULMONARY			NON-PULMONARY			PULMONARY and Non- PULMONARY TOTAL
	Males	Females	Total	Males	Females	Total	
(1) Number of cases on the Register on the 1st January, 1946	139	83	222	69	70	139	361
(2) Number of cases notified to me under the Regulations for the first time during the year	31	12	43	7	4	11	54
(3) Number of cases added to the Register during the year which have been brought to my notice otherwise than by notification	—	—	—	—	—	—	—
(4) Number of cases removed from the Register during the year	—	5	9	4	6	10	19
(5) Number of cases remaining on the Register on 31st December, 1946	166	90	256	72	68	140	396

OPHTHALMIA NEONATORUM.

CASES			Vision unimpaired	Vision impaired	Total blindness	Deaths
No. Notified	Treated					
	At Home	Hospital				
—	—	—	—	—	—	—

CASES TREATED IN JOINT ISOLATION HOSPITAL.

Month				Scarlet Fever	Diphtheria	Erysipelas	Measles	Mumps	Whooping Cough	Pneumonia	Scabies	Impetigo	Other Diseases	Total
January	..	..	..	1	—	—	1	—	—	—	3	1	4	10
February	..	..	..	2	—	—	—	—	2	1	3	—	3	10
March	..	..	..	1	—	—	4	—	—	—	1	1	6	14
April ..	..	..	..	1	—	—	2	2	3	—	—	1	4	11
May ..	..	..	..	2	—	—	2	—	—	1	—	—	4	9
June ..	..	..	..	2	—	—	7	—	2	—	—	—	1	12
July ..	..	..	..	3	—	1	2	2	2	—	—	—	4	12
August	..	..	..	8	—	—	4	—	—	—	—	—	1	13
September	..	..	..	4	—	—	—	—	—	—	—	1	9	14
October	..	..	..	5	—	—	—	—	—	—	1	—	7	13
November	..	..	..	3	—	—	—	—	—	—	1	1	2	7
December	..	..	..	5	—	—	—	1	1	1	—	—	3	10
Totals	..	..	..	37	—	1	22	1	10	3	9	5	48	135
Patients remaining from 1945	..	..	..	1	—	—	—	—	1	—	—	—	—	2
Total number of patients treated during 1946				38	—	1	22	1	11	3	9	5	48	137
Discharged during the year	..	..	..	35	—	1	22	1	9	2	9	5	44	131
Deaths	..	..	..	—	—	—	—	—	1	1	—	—	2	2
Patients remaining 31st December, 1946				3	—	—	—	1	1	—	—	—	—	4

Of the 135 patients admitted during the year, 57 came from the Borough of Chelmsford, 53 from the Chelmsford Rural District, 9 from Ongar, 1 from Braintree, 1 from Dunmow, 10 from H.M. Services, 1 from Tilbury, 1 from Rainham, 1 from Benfleet and 1 from Bishop Stortford.

WORK CARRIED OUT BY SANITARY INSPECTOR'S DEPARTMENT
YEAR ENDED 31st DECEMBER, 1946.

SANITARY INSPECTION OF THE AREA.

1. INSPECTIONS OF DWELLING HOUSES DURING THE YEAR.

(1) (a) Total number of dwelling houses inspected for housing defects :—

Public Health Act	833	} 1,373
Housing Act	540	

(b) Number of Inspections made for the purpose :—

Public Health Act	2,071	} 3,690
Housing Act	1,619	

(2) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation Nil.

(3) Number of dwelling houses (exclusive of those referred to under the preceeding sub-head) found not to be in all respects reasonably fit for human habitation :—

Public Health Act	434	} 761
Housing Act	327	

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority's Officers :—

Public Health Act	397	} 658
Housing Act	261	

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR.

Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

(1) Number of dwelling houses in respect of which notices were served requiring repairs 5

(2) Number of dwelling houses which were rendered fit after service of formal notices :—

(a) By owners	..	..	..	..	10
(b) By the Local Authority in default of owners	..	..	..	..	Nil.

*Summary of Work carried out as a result of Notices Served or
Recommendations made.*

Housing Act, 1936.

Informal notices issued	..	..	..	..	..	327
„ „ complied with	..	..	..	..	..	261
Statutory notices issued	..	..	..	..	..	2
„ „ complied with	..	..	..	..	..	9

Yards and passages paved	..	..	..	..	..	7
Dust bins provided	..	..	..	..	..	94
Verminous and dirty articles destroyed	..	..	..	..	..	4
Verminous and dirty articles cleansed and disinfected	..	..	..	..	..	1
Verminous houses disinfested	..	..	..	..	..	65
Accumulations of refuse removed	..	..	..	..	..	8
Animal nuisances abated..	..	..	..	..	..	2
Caravans removed	..	..	..	..	..	2
Watercourses cleansed	..	..	..	..	..	7
General dampness remedied	..	..	..	..	..	7
Library books fumigated..	..	..	..	..	..	9

THE FOLLOWING INSPECTIONS HAVE BEEN RECORDED.

Public Health Act, 1936.

1,464 complaints have been investigated.

2,071 inspections made at dwelling houses.

130 ,, ,, at dwelling houses prior to rehousing.

273 ,, ,, at dirty or verminous houses.

13 ,, ,, of tents, vans, or sheds.

10 ,, ,, of schools.

65 ,, and enquiries made in connection with infectious disease.

13 ,, made in connection with pollution of watercourses.

33 ,, ,, in respect of smoke nuisances.

2 ,, ,, of lands and ditches.

8 ,, ,, at marine stores.

18 ,, ,, of pig bins.

6 ,, ,, at corporation refuse tip.

5 ,, ,, at swimming baths.

24 ,, ,, at squatters' huts.

9 ,, ,, of N.F.S. disused water tanks.

In many cases during these inspections matters relating to minor defects and nuisances were dealt with verbally and remedies carried out in response to persuasive methods.

Food and Drugs Act, 1938.

25 inspections have been made at butchers' shops.

83 ,, ,, ,, ,, cafes, restaurants and hotels.

111 ,, ,, ,, ,, dairies and milkshops.

31 ,, ,, ,, ,, farms (milk producers).

377 ,, ,, ,, ,, food shops.

10 ,, ,, ,, ,, Ministry of Food stores.

1,207 ,, ,, ,, ,, slaughterhouses.

4 ,, ,, ,, ,, confectionery factories.

2 ,, ,, ,, ,, canteens.

The following carcasses were examined :—3,082 beasts, 3,381 calves, 9,322 sheep, 654 pigs.

Meat condemned at slaughter houses (Government controlled) :—62,285 $\frac{3}{4}$ lbs.

The following samples were obtained and submitted for analysis, all unsatisfactory results being followed up :—

	Samples taken.	Satis- factory.	Unsatis- factory.
Jam.. .. .	2	2	—
Milk (ungraded)	18	14	4
Pasteurised milk	26	21	5
Milk bottle rinsings	18	18	—
Tuberculin-tested milk	39	32	7
Water from well	3	2	1
Water from hot tap	1	1	—
Ice cream	19	10	9
Ice cream powder	4	4	—
Piping jelly	1	1	—
Gelatine	1	1	—
Sugar	1	1	—
Dried milk	1	1	—
Accredited milk	3	3	—
Choc.-ice	1	1	—
Ice cream at various stages of manufacture	6	5	1

The following food has been condemned and surrendered as unfit :—

162 tins pilehards.	6 tins steak and kidney.
904 tins milk.	5 tins tomatoes.
129 tins peas.	3 tins crayfish.
37 tins stewed steak.	157 tins mixed vegetables.
122 tins salmon.	55 $\frac{1}{2}$ tins milk foods.
1 tin potted meat.	3 tins shrimps.
42 tins soup.	68 tins fruit.
1 tin Irish stew.	42 lbs. preserves.
28 tins sardines.	209 $\frac{1}{4}$ lbs. cheese.
2 tins steak and kidney pudding.	265 lbs. flour.
44 tins meat and vegetable.	1,508 lbs. corned beef.
7 tins macaroni.	3 $\frac{1}{2}$ lbs. margarine.
2 tins marmalade pudding.	13 lbs. household milk.
1 tin sheep tongues.	50 lbs. pearl barley.
1 tin dried milk.	81 $\frac{3}{4}$ lbs. butter.
8 tins mustard.	76 lbs. syrup.
1 tin beetroot.	8 lbs. split peas.
1 tin baking powder.	114 lbs. corned mutton.
9 tins strawberry sweet sauce.	5 lbs. sweetbreads.
158 tins beans.	316 lbs. frozen beef.
16 tins luncheon meat.	4 lbs. cod liver oil.

1 lb. coffee.	21 pkts. soup.
5 lbs. brawn.	1 pkt. wheat flakes.
1 $\frac{1}{2}$ lbs. fruit cake.	2 pkts. Fruitella sauce.
72 lbs. Russian salad.	5 pkts. semolina.
24 lbs. macaroni.	2 pkts. dried egg.
52 lbs. sweets.	1 pkt. sage and onion stuffing.
7 lbs. brisket.	2 pkts. rusks.
6 lbs. roast beef.	1 pkt. pimento.
48 lbs. ox tongue.	137 pkts. pudding and cake mixtures.
13 $\frac{1}{2}$ lbs. semolina.	1 bott. custard flavouring.
14 lbs. lemon curd.	3 botts. vinegar.
59 lbs. bacon.	2 botts. coffee.
49 lbs. pork sausages.	1 bott. sauce.
2,492 lbs. oats.	2 gals. artificial cream.
59 lbs. sugar.	$\frac{1}{2}$ gal. Tip Top milk.
$\frac{3}{4}$ lb. tea.	51 bars chocolate.
15 lbs. cooking fat.	24 bars nougat.
$\frac{1}{2}$ lb. biscuits.	212 shell eggs.
3 lbs. flake barley.	108 meat pies (small).
28 lbs. dessert mould.	6 meat pies (large).
60 lbs. powdered baby foods.	48 sausage rolls.
1,356 lbs. dried fruit.	879 cakes, buns and tarts.
23 jars pickles.	32 frozen ducks.
13 jars beef extract.	26 frozen geese.
1 jar beef cubes.	15 Suffolk brawns.
12 jars fish paste.	1 loaf bread.
4 jars Marmite.	409 $\frac{1}{2}$ st. wet and dried fish.
50 pkts. chocolate sweets.	

Rats and Mice (Destruction) Act, 1919.

Infestation Order, 1943.

During the year 2,021 visits have been made to infested premises and 6,573 treatments applied.

Factories Act, 1937.

14 inspections have been made at bakehouses.

399 " " " " factories and workplaces.

